

SPECIFICATION

Description	220-240V LED Driver, Constant Voltage Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

Product Name		UT12V/6W
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Input Parameters		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	lin	0.07A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	8.5W
Power Factor (Full load)	λ	0.50C
THD(Full load)		$\leq 120\%$
Efficiency (Full load)	η	$\geq 77\%$
No-load power		$\leq 0.3W$
Inrush current		7.0A
Turn on time		$\leq 50ms$

Output Parameters		
Output Voltage	Vout	12V \pm 5%
Output Current (Full load)	Iout	0.50A
Output Power (Full load)	Pout	6.0W
Operating Frequency(Full load)	Fout	65-140KHz
Ripple & Noise		$\leq 500mV$
Load Regulation		$\leq 3\%$
Line Regulation		$\leq 3\%$

Ambient		
Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ... 85%

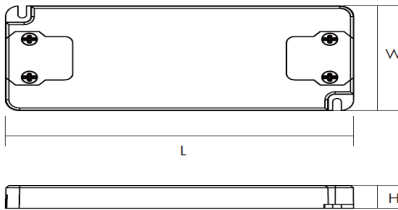
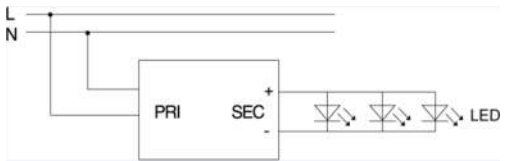
Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters		
Hi-pot		3.75KVAC, Ileakage<5mA, 60s
Average Service Life		30,000Hours

Compliances and approvals		
Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Expected Life:tc=80°C, 0.2%/1000h failure rate

Physical Parameter		
Dimensions(LxWxH): 98x46x11mm		
Housing Material::PC Plastic		
Captured Terminal Screw for 0.5~1.5mm2		